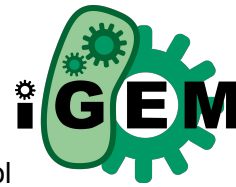




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BABS UNSW iGEM Lab Protocol



Procedure	Name		SDS-PAGE Protein Gel				
	Description		SDS-PAGE Gel for Protein expression				
Document	Name	Isabelle Capell-Hattam		Date	18/09/15	Version	1
Requirements	Time		2 hours				
	PPE		Gloves, Labcoat				
	Equipment		Centrifuge Pipettes Vortex Heat block SDS-Page Gel Running Equipment				
	Materials		Cell culture 2x reducing buffer (50:50 ratio of 4x buffer and H2O + 10% BME) Protein fragment ladder Methanol Acetic Acid H2O Code Blue				
Step 1	Pellet 1ml of culture and remove supernatant						
Step 2	Resuspend supernatant in 200 µl of 2x reducing buffer						
Step 3	Vortex for 30 seconds						
Step 4	Boil at 95°C for 5 minutes						
Step 5	Centrifuge for 15 minutes at top speed						
Step 6	Set-up SDS page gel according to instructions						
Step 7	Load 20 µl of supernatant into each well, and 10 µl of ladder						
Step 8	Run at 150 V for 50 minutes						
Step 9	Fix the proteins in 50% Methanol and 10% acetic acid for 3 minutes						
Step 10	Wash until the yellow band fades						
Step 11	Stain overnight with Code Blue						

Step 12	Destain with H2O and visualise
Notes	Adapted from the Marquis lab protocol
Version History	